

S&B changes timing on compliance reminders

Effective March 2005, repeated reminders will no longer be sent to supervising professionals for approved commercial building and swimming pool projects for which the division has not received a compliance statement.

It is the responsibility of supervising professionals to submit a compliance statement for bleachers, public swimming pools, and commercial building projects where the building volume is 50,000 cubic feet or greater, including alterations.

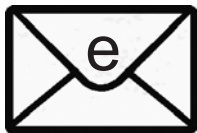
Instead of several reminders each year, one final reminder will be sent near the plan approval expiration date approximately three years after the plan approval date of the project. This will save S&B staff time and mailing costs.

The Safety and Building Division has been sending out reminders twice yearly for all approved projects for which the division has not received a compliance statement, hoping to get

supervising professionals to follow through on required reporting.

Failure to submit the compliance statement prior to occupancy may result in penalties as specified in Comm 61.23, Comm 90.04(5) and/or local ordinances.

The compliance statement form is available on the S&B WebSite, <http://commerce.wi.gov/SB/SB-DivForms.html#general>, or can be obtained in S&B full-service offices, as listed on page 6 of this *WCCR*.



email
groups

There are email groups set up for individual S&B programs. Sign-up to receive occasional messages on program topics of interest to you: <http://www.commerce.state.wi.us/SB/SB-DivEmailSignup.html>

Amusement Rides, Boilers, Commercial Buildings, Electrical, Explosives, Fire Department Safety and Health, Fire Prevention, Fire Protection Systems, Forms, Gas Systems, HVAC/Energy, Manufactured/Mobile Homes, Mine Safety, Plumbing, Private Onsite Wastewater Treatment, Public Sector Safety, Public Swimming Pools, Refrigeration, Rental Unit Energy Efficiency, Soil Erosion, Uniform Dwelling Code, Welding, Wisconsin Construction Codes Report

Wisconsin Construction Codes Report



Safety and Buildings
Division, April, 2005

[www.wisconsin.gov/
state/app/wizard](http://www.wisconsin.gov/state/app/wizard)



www.wisconsin.gov



The importance of water

The years 2005 to 2015 are the "International Decade for Action, Water for Life." The decade officially began on *World Water Day*, March 22, 2005.

Wisconsin's plumbing programs have been involved in developing options for water conservation, such as advanced Private Onsite Wastewater Treatment Systems, reuse systems, and storm systems.

On Tap magazine, from the National Drinking Water Clearinghouse (NDWC), Winter 2005, states "Twenty percent of the world's fresh water and 90 percent of North America's sits in this basin between the U.S. and Canada. (Great Lakes)

More information on NDWC:
[http://www.nesc.wvu.edu/ndwc/
ndwc_about.htm](http://www.nesc.wvu.edu/ndwc/ndwc_about.htm)



'Facilitating' public pools, or how to count the potties

by Lynita Docken, S&B Public Swimming Pools Program Manager, Ldocken@commerce.state.wi.us, 608-785-9349

Although the terms "Wisconsin" and "Swimming Pools" may not seem closely associated (especially at this time of year):

- Wisconsin's pool design industry is world renowned.
- Wisconsin Dells area shares top billing on web searches for "waterparks."
- Safety and Buildings Division staff review plans for and inspect over 200 Wisconsin pool installations per year.

With the expanding number of waterparks and the exciting new designs, there are always questions and issues that must be addressed.

The Safety and Buildings website has answers to commonly-asked questions, <http://commerce.wi.gov/SB/SB-SwimmingPoolsDataReport.html>.

For example

How to determine the minimum number of sanitary facilities (plumbing fixtures) required by code to serve a pool facility:

There are two codes that can affect the answer to the question, "How many toilets (or lavatories, showers, or drinking fountains, etc.) do I need for this pool?"

One of the codes is the Commercial Building Code, Comm 61-65, which in Comm 62 covers plumbing systems when a pool is located within a **public** building. The other code is Comm 90 - Public Swimming Pools and Water Attractions, which applies to all to interior and exterior **public** pools. (These two codes have their own perspectives when they define public, Comm 61.02 and Comm 90.03(21).)

When a pool is planned within a public building, there are two calculations for pool area plumbing fixtures.

1. Pool deck and water surface area. Comm 90.16 contains the requirements for sanitary fixtures for public pools. Table 90.16 uses water



surface area to determine the number of fixtures required. All pool designs, within or outside of a building, are required to comply with the Comm 90 requirements for sanitary fixtures. S&B has concluded that the pool code will be used by reviewers and inspectors for deck and pool sanitary fixture determination. (What is pool deck? Pool deck is the area that is sloped to deck drains and is maintained as deck. The minimum deck width around pools is prescribed in Comm 90.)

2. Floor area within a pool enclosure that is not pool deck. All the floor area other than pool deck must be included in the calculations for plumbing fixtures required by the Commercial Building Code.

How do I calculate the number of sanitary fixtures required for a new pool in an existing waterpark?

Go to Table 90.16 and calculate the number of fixtures required for the additional surface area planned. If the existing facility contains fixtures in excess of those required in Table 90.16, the additional fixtures may be counted toward compliance with Comm 90.16 requirements for the proposed pool.

If you have questions regarding pools and sanitary facilities, contact Glen Jones at 608-267-5265 or gjones@commerce.state.wi.us

Plumbing Q&A is at <http://commerce.wi.gov/SB/SB-PlumbingDatabaseReport.html>. **Plumbing Q&A**

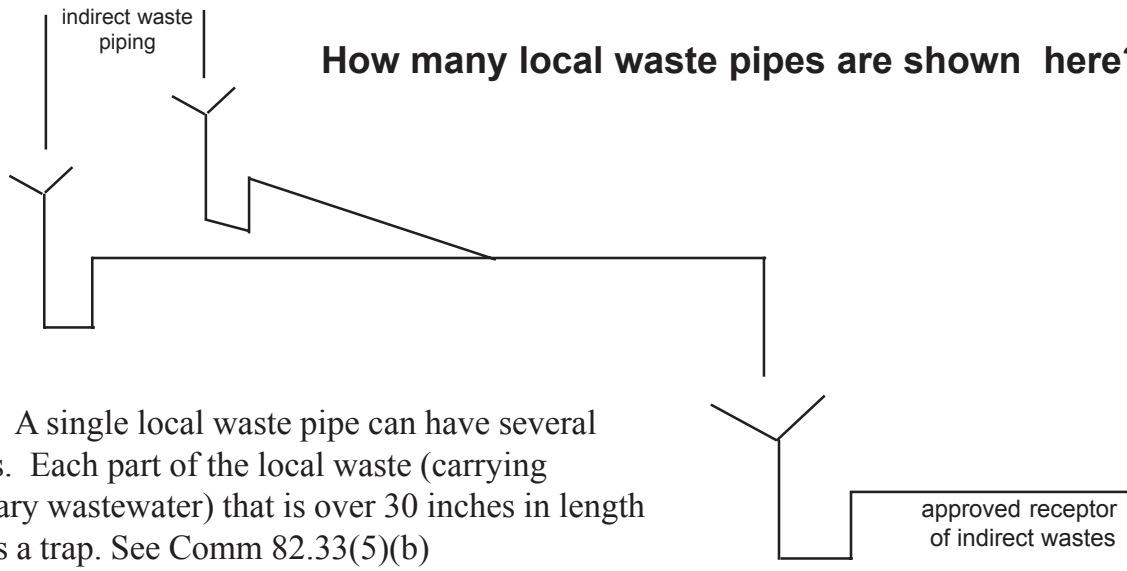
Two UW POWTS education sessions soon

The UW-Madison Small Scale Waste Management Project will offer an all-day **Private Onsite Wastewater Treatment Systems Maintainer-Qualifier** class Tuesday, April 26, 2005, at the Arlington UW Ag Research Station. A.M. - Pretreatment/Treatment Systems (classroom). P.M. - Evaluation and Maintenance (classroom and field demo, includes water testing). Approved for six CE credit hours for POWTS maintainer-qualifier and CE credits for POWTS inspector, soil tester, plumber, and waste hauler (DNR) credentials. Fee \$70. Instructor: Jim Converse, UW-Madison.

The UW-Madison Small Scale Waste Management Project will offer an all-day **Private Onsite Wastewater Treatment Systems Tour** of systems incorporating components including sand filters, recirculating sand/gravel filters, suspended and fixed-growth-media tank units, drip distribution, mounds, drop boxes. Bus tour for Tuesday, May 3, 2005. Review the design criteria, operation, and maintenance at installations serving a village, a subdivision, a food court, a motel, a research station, and residences in Dane and Columbia Counties.

Brochures for these two UW sessions will be available in April. Contact Jim Peterson, UW Environmental Resources Center, 608 262-3799, jopeters@wisc.edu

http://www.cals.wisc.edu/media/facstaff/directory/small_scale_waste.html



How many local waste pipes are shown here?

One. A single local waste pipe can have several inlets. Each part of the local waste (carrying sanitary wastewater) that is over 30 inches in length needs a trap. See Comm 82.33(5)(b)

The diagram shows a horizontal line representing a single local waste pipe. It has three vertical lines branching off it from above, labeled 'indirect waste piping'. It also has one vertical line branching off from below, labeled 'approved receptor of indirect wastes'. The horizontal line has a trap symbol (a vertical line with a horizontal crossbar) at its left end and another at its right end, where it connects to the receptor.

Swimming pool Q&A is at
<http://commerce.wi.gov/SB/SB-SwimmingPoolsDataReport.html>

Q&A - Wisconsin Commercial Building Code online: <http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsCodeQuestions.html>

Electrical Q&A

Question: Can a transformer feed enter thru the top corner of a transformer? The instructions for the unit allow a side entrance at the top and state that top entry should be avoided. Does UL prohibit top entry in its listing?

Answer: *UL 1561 Dry-Type General Purpose and Power Transformers* covers this equipment. Transformers are tested with entry through the lower six inches of the enclosure. They are not tested with entry in other locations. Manufacturers provide instructions on where entry can be made if other than the lower portion.

Question: Section 362.10(2) of the NEC indicates that electrical non-metallic tubing is permitted in combustible walls. Does this mean we can't install it in the core of block walls?

Answer: No. Concrete block walls have a 15-minute or better finish rating, as there is nothing combustible in the assembly. These ratings can be found in the *UL Fire Resistance Directory*

Answers based on the 2002 National Electrical Code. For info, contact the S&B Electrical Consultants listed on page 7.



Volume 1. There is an exception for exposed ENT if the building has a fire sprinkler system per NFPA 13.

Question: Can type UF cable be run on the outside of a home to feed an A/C disconnect or similar equipment? NEC 340.12(10) restricts its use when subject to physical damage. Also, Comm. 16.28 requires protection for above-ground cables for private sewage systems. Would type UF cable exiting or stapled to the outside of a building be subject to physical damage?

Answer: NEC 340.12(9), where exposed to direct rays of the sun, and 340.12(10), where exposed to physical damage, require protection. The installation needs to be observed to make a decision. *Section 300.5(D) Protection from Damage* for direct buried conductors also applies.

Current taps manufactured for Ningbo Yaling Electrical Appliance Co. may pose a risk of fire or electric shock, according to Underwriters Laboratories. About 59,000 product model YLCT-7 were improperly assembled and may have an internal short circuit, resulting in a risk of fire or electric shock, UL says. For more info, see [http:// www.ul.com/media/newsrel/nr031405.html](http://www.ul.com/media/newsrel/nr031405.html).

Fax or email technical code questions to:

- Amusement Rides, Rope/Ski Tows	608-283-7419	healthsafetech@commerce.state.wi.us
- Boilers and Pressure Vessels	608-283-7420	sbboilertech@commerce.state.wi.us
- Building and Plumbing Products	608-283-7407	productech@commerce.state.wi.us
- Commercial Buildings, Comm 61-65	608-283-7402	bldgtech@commerce.state.wi.us
- Electrical	608-283-7418	electrictech@commerce.state.wi.us
- Elevators	608-283-7411	elevatortech@commerce.state.wi.us
- Fire Prevention Program Forms	608-283-7412	fireforms@commerce.state.wi.us
- Fire Protection Systems	608-283-7405	fireprotech@commerce.state.wi.us
- Gas Systems	608-283-7420	sbboilertech@commerce.state.wi.us
- Licenses, Certifications, Registrations	608-283-7400	madisoncred@commerce.state.wi.us
- Manufactured/Mobile Homes	608-283-7401	manf-homes@commerce.state.wi.us
- National Fire Incident Reporting	608-283-7412	NFIRS@commerce.state.wi.us
- One- and Two-Family Dwelling Code	608-283-7409	udctech@commerce.state.wi.us
- Plumbing, Cross Connection Control	608-283-7403	plbgtech@commerce.state.wi.us
- Private Onsite Wastewater Treatment	608-283-7404	powtstech@commerce.state.wi.us
- Public Sector Safety	608-283-7419	healthsafetech@commerce.state.wi.us
- Public Swimming Pools	608-283-7406	pooltech@commerce.state.wi.us
- Welding	608-283-7420	sbboilertech@commerce.state.wi.us



Plan Review Resources

To schedule a plan review appointment for commercial/multifamily buildings, pools, or plumbing:

- >Fax 24-hour toll-free number for appointment scheduling, 877-840-9172
- >Email: planschedule@commerce.state.wi.us
- >Online (commercial buildings reviews only): <http://commerce.wi.gov/SB/SB-DivPlanReview.html>

For application **forms**:

- >On the S&B WebSite, choose "Get Forms," <http://www.commerce.state.wi.us/SB/SB-DivForms.html>

Info about **next available** review appointment: <http://www.commerce.state.wi.us/SB/SB-DivDailyDoc.html>.

**Safety and Buildings
Division commercial
building plan review
scheduling is on the
Internet,
<http://commerce.wi.gov/SB/SB-DivPlanReview.html>**

**Info about status of a
plan review:** <http://www.commerce.state.wi.us/SB/SB-DivReviewStatusSearch.html>

**Fire protection classes
offered in MaFarland in
April: see <http://commerce.wi.gov/SB/SB-DivContinuingEducation.html#O4>**

To receive a monthly email notifying you when the WCCR is placed online, see: <http://www.commerce.state.wi.us/SB/SB-DivEmailSignup.html>. For past issues, go to: <http://www.commerce.state.wi.us/SB/SB-DivPublications.html>

**WCCR
online**



Commercial Buildings Delegated Municipalities

Some municipalities in Wisconsin have authority to do building or fire protection plan review, inspections, and otherwise carry out code-related functions as delegates of the Department of Commerce. For further information, and a list of current delegated municipalities, see the S&B WebSite: <http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsDelegatedMunicipalities.html>.

Enrolled Code revision pages

**Wisconsin 2002
Enrolled
Commercial
Building Code
Volume I**

Wisconsin
Department of Commerce



The January 1, 2005, Comm 61-65 code revisions are now available as supplement pages for the Enrolled Wisconsin Commercial Building Code, see <http://commerce.wi.gov/SB/SB-CommercialBuildingsSupp05.html>. The pages are free.

Safety and Buildings Offices

Green Bay Office
2331 San Luis Pl #150
Green Bay WI 54304
920-492-5601
Fax 920-492-5604
planschedule@commerce
.state.wi.us

Hayward Office
10541N Ranch Rd.
Hayward WI 54843
715-634-4870
Fax 715-634-5150
planschedule@commerce
.state.wi.us

La Crosse Office
4003 North Kinney
Coulee Road
LaCrosse WI 54601
608-785-9334
Fax 608-785-9330
planschedule@commerce
.state.wi.us

Madison Office
201 W Washington Ave
PO 2658
Madison WI 53701
608-266-3151
Fax 608-267-9566
planschedule@commerce
.state.wi.us

Shawano Office
1340 E Green Bay St #300
Shawano WI 54166
715-524-3626
Fax 715-524-3633
planschedule@commerce
.state.wi.us

Waukesha Office
141 NW Barstow St, 4th flr
Waukesha WI 53188
262-548-8600
Fax 262-548-8614
planschedule@commerce
.state.wi.us

Sample S&B email address:
samacher@commerce.state.wi.us

Fire Dept. Safety and Health, Amusement Ride, Public Sector Occupational Safety Inspectors

Scott Amacher	Cameron	715-828-5912
Terrence Clark	Stevens Point	715-345-5342
Timothy Condon	Waukesha	414-852-3660
Vernon Lemke	Green Bay	920-366-2782
Shirley Noltemeyer	Waunakee	608-235-0566
David Vriezen, Supv. ..	Madison	608-261-2503

Fire Prevention Coordinators

John Andersen	Chippewa Falls	715-726-2556
Sue Birren	Milwaukee	414-371-5673
Dave Bruflat	Couderay	715-945-2995
Carl Frisque	Green Bay	920-492-7728
Terry Nolen	Verona	608-845-5375
Robert DuPont, Supv. ..	Madison	608-266-8984

Fire Protection Systems

Keith Glaunert	Waukesha	262-548-8604
Lynne LeCount	Green Bay	920-492-7727

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Don Hough	Hayward	715-634-4804
Tim Joyce	Madison	608-235-0557
Don Oremus	Pelican Lake	715-584-2007
Jim Wehinger	Friendship	608-339-7430
Jim Zickert	Eldorado	920-948-7336
Jim Miller, Supv.	Madison	800-266-8072

Commercial Building Inspectors

Leonard Alexander	Reedsburg	608-235-0582
Teresa Black	Hayward	715-634-8114
Nicholas Charles	La Crosse	608-789-5657
Chris Luster	Prairie du Chien	608-235-0581
Brian Ferris, Supv.	La Crosse	608-785-9335

John Anderson	Clintonville	715-584-2006
John Nygard	Green Bay	920-366-2857
Sam Solberg	Stevens Point	715-345-5226
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Lawrence Weede	Lake Geneva	262-949-4300
Betty Wiese	Milwaukee	414-852-3694
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Tom Devereaux	Hayward	715-634-3026
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Robert Kanter	Madison	608-261-7735
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Specialty Telephone Contacts

Agent Municipalities	Henry Kosarzycki	262-548-8615
Accessibility	Donna Stilen	262-548-8609
Codes Sales		800-362-7253
Credentialing		608-261-8500
Elevators	Brian Rausch	262-521-5444
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Swimming Pool Review	Glen Jones	608-267-5265
Teletypewriter (TTY)		608-264-8777
Training, education	Henry Kosarzycki	262-548-8615

Plumbing Plan Reviewers

Herman Delfosse	La Crosse	608-789-5535
Tom Devereaux	Hayward	715-634-3026
Wes Grube	Green Bay	920-492-5613
Chester Kintop	Waukesha	262-548-8634
Dan Kraft	Madison	608-266-8075
Ken Pertzborn	Madison	608-267-2242
Curt Wendorff	Shawano	715-526-9056

POWTS Wastewater Specialists

Ross Fugill	Shawano	715-524-3629
Leroy Jansky	Chippewa Falls	715-726-2544
Matthew Janzen	Stevens Point	715-345-5336
Carl Lippert	Hayward	715-634-3484
Karl Schultz	Oshkosh	920-428-9719
Dennis Sorenson	La Crosse	608-785-9336
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Harold Stanlick, Supv.	Waukesha	262-521-5065

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Questions about your continuing education credits? Call the Credentialing Unit, 608-261-8500. Or, check the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-CredentialStatusCheck.html>

Industrial Hygienist

Susen Trail	Athens	715-571-4540
Dave Vriezen, Supv.	Madison	608-261-2503

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Glen Schlueter	Madison	608-267-1401

Public Swimming Pool Reviewer

Glen Jones	Madison	608-267-5265
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Commercial Building Plan Reviewers

Green Bay Don Diedrick	920-492-5606
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Lynne LeCount	920-492-7727
Jack Wotruba	920-492-6500
Hayward Randall Mattison	715-634-8964
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Nizam Nizamuddin	608-267-0768
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Tariq Masood	262-548-8608
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Larry Stilen	262-548-8607
David Wallace	262-548-8603

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Wisconsin Department of Commerce
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